

CLEAN COPY OF AMENDED CLAIMS

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a3
3. (AMENDED) A system according to claim 1 wherein said three degrees of freedom are infinitely adjustable.

4. (AMENDED) A system according to claim 1 wherein said anchoring means comprises a pin.

a4
8. (AMENDED) A system according to claim 1 wherein said resection guide has a guiding slot.

a5
15. (AMENDED) A system according to claim 1 further comprising a plane probe, said plane probe including a planar surface and coupling means for coupling said plane probe to a computer navigation tracker.

a6
18. (AMENDED) A system according to claim 16 wherein said three degrees of freedom are infinitely adjustable.

a7
27. (AMENDED) A system according to claim 16 further comprising a plane probe, said plane probe including a planar surface and coupling means for coupling said plane to a computer navigation tracker.

a8
30. (AMENDED) A system according to claim 29 wherein said femoral anchoring means comprises a pin.

31. (AMENDED) A system according to claim 29 wherein said tibial anchoring means has an angled body and a side slot adapted to receive a pin.

a9
42. (AMENDED) A system according to claim 28 further comprising a plane probe, said plane probe including a planar surface and coupling means for coupling said plane probe to a computer navigation tracker.

IN THE CLAIMS

Insert new claims 43-73 as follows:

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a'10

43. (NEW) A system for guiding the resection of a patient's bone during arthroplasty, said system comprising a resection guide adapted for guiding a cutting device relative to a patient's bone during arthroplasty, an alignment guide coupled to said resection guide and adapted for attachment to the patient's bone, said alignment guide including a first assembly for positioning said resection guide along a translational path, a second assembly for positioning said resection guide along a first rotational path, and a third assembly for positioning said resection guide along a second rotational path, and a computer navigation system coupled to said resection guide.

44. (NEW) A system of claim 44, wherein said first and second rotational paths are about different axes.

45. (NEW) A system of claim 44, wherein said axes are transverse to each other.

46. (NEW) A system of claim 43, wherein said first, second and third assemblies each include a locking device for securing said resection guide along said translational path and said first and second rotational paths.

47. (NEW) A system of claim 43, further including an anchoring pin adapted to secure said alignment guide to a patient's bone.

48. (NEW) A system of claim 43, further including a computer navigation tracker coupled to said resection guide.

49. (NEW) A system of claim 43, further comprising a plane probe, said plane probe including a planar surface and coupling means for coupling said plane probe to a computer navigation tracker.

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50. (NEW) A system for guiding the resection of a patient's bone during arthroplasty, said system comprising a resection guide adapted for guiding a cutting device relative to a patient's bone during arthroplasty, an alignment guide coupled to said resection guide and adapted for attachment to the patient's bone, said alignment guide including a first assembly for positioning said resection guide along a translational path and a second assembly for positioning said resection guide along a first rotational path and a second rotational path, and a computer navigation system coupled to said resection guide.

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51. (NEW) A system of claim 50, wherein said first and second rotational paths are about different axes.

52. (NEW) A system of claim 51, wherein said axes are transverse to each other.

53. (NEW) A system of claim 50, wherein said first and second assemblies each include a locking device for securing said resection guide along said translational path and said first and second rotational paths.

54. (NEW) A system of claim 50, further including an anchoring pin adapted to secure said alignment guide to a patient's bone.

55. (NEW) A system of claim 50, further including a computer navigation tracker coupled to said resection guide.

56. (NEW) A system according to claim 50, further comprising a plane probe, said plane probe including a planar surface and coupling means for coupling said plane probe to a computer navigation tracker.

57. (NEW) A system for guiding the resection of a patient's bone during arthroplasty, said system comprising a resection guide adapted for guiding a cutting device relative to a patient's bone during arthroplasty, an alignment guide coupled to said resection guide, said alignment guide including a first assembly for positioning said resection guide along a

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translational path and a second assembly for positioning said resection guide along a first rotational path and along a second rotational path, and a computer navigation system coupled to said resection guide.

58. (NEW) A system of claim 57, wherein said first and second rotational paths are about different axes.

59. (NEW) A system of claim 58, wherein said axes are transverse to each other.

60. (NEW) A system of claim 57, wherein said first and second assemblies each include a locking device for securing said resection guide along said translational path and said first and second rotational paths.

61. (NEW) A system of claim 57, further including an anchoring pin adapted to secure said alignment guide to a patient's bone.

62. (NEW) A system of claim 57, further including a computer navigation tracker coupled to said resection guide.

63. (NEW) A system according to claim 57, further comprising a plane probe, said plane probe including a planar surface and coupling means for coupling said plane probe to a computer navigation tracker.

64. (NEW) A system for guiding the resection of a patient's bone during arthroplasty, said system comprising a resection guide adapted for guiding a cutting device relative to a patient's bone during arthroplasty, an alignment guide adapted for positioning said resection guide along a translational path and along a plurality of rotational paths, and a computer navigation system coupled to said resection guide.

65. (NEW) A system of claim 64, wherein said plurality of rotational paths are about different axes.

66. (NEW) A system of claim 65, wherein said axes are transverse to each other.

67. (NEW) A system of claim 64, wherein said alignment guide includes first and second assemblies each including at least one locking device.

68. (NEW) A system of claim 67, wherein said locking device of said first assembly is adapted for securing said resection guide along said translational path.

69. (NEW) A system of claim 67, wherein said locking device of said second assembly is adapted for securing said resection guide along said plurality of rotational paths.

70. (NEW) A system of claim 69, wherein said second assembly includes a pair of locking devices, each of said locking devices adapted for securing said resection guide along separate rotational paths.

71. (NEW) A system of claim 64, further including an anchoring pin adapted to secure said alignment guide to a patient's bone.

72. (NEW) A system of claim 64, further including a plan probe.

73. (NEW) A system according to claim 63, further comprising a plane probe, said plane probe including a planar surface and coupling means for coupling said plane probe to a computer navigation tracker.